



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WESTERN REGIONAL OFFICE

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AIR QUALITY OPERATING PERMIT

Issued by the Massachusetts Department of Environmental Protection ("The Department") pursuant to its authority under M.G.L. c. 111, §142B and §142D, 310 CMR 7.00 et seq., and in accordance with the provisions of 310 CMR 7.00: Appendix C.

ISSUED TO ["the Permittee"]:

Consolidated Edison Energy Mass., Inc.
15 Agawam Avenue
West Springfield, MA 01089

INFORMATION RELIED UPON:

Appl. #1-O-95-029; Trans. #108043
Appl. #1-O-03-044; Trans. #W046237
Appl. #1-P-03-032; Trans. #W041652
Appl. #1-P-04-011; Trans. #W048264
Appl. #1-O-04-035; Trans. #W055331
Appl. #1-O-05-008; Trans. #W058486

FACILITY LOCATION:

Consolidated Edison Energy Mass., Inc.
West Springfield Station
15 Agawam Avenue
West Springfield, MA 01089

FACILITY IDENTIFYING NUMBERS:

SSEIS ID: 042/0117
FMF FAC NO.: 323182
FMF RO NO.: 329815

NATURE OF BUSINESS:

Electric Power Utility

STANDARD INDUSTRIAL CODE:

4911

RESPONSIBLE OFFICIAL:

Name: Mr. Michael Madia
Title: Vice President, Consolidated
Edison Energy Mass., Inc.

FACILITY CONTACT PERSON:

Name: Alan Douglas
Title: Environmental Manager
Phone: (413) 730-4721

This operating permit shall expire on May 25, 2006.

For the Department of Environmental Protection, Bureau of Waste Prevention

Michael Gorski
Regional Director
Department of Environmental Protection
Western Regional Office

Date



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SPECIAL CONDITIONS FOR OPERATING PERMIT

1. PERMITTED ACTIVITIES

In accordance with the provisions of 310 CMR 7.00: Appendix C and applicable rules and regulations, the Permittee (hereinafter “CEEMI–West Springfield”) is authorized to operate air emission units as shown in Sections 2 and 3, and exempt and insignificant activities as described in 310 CMR 7.00: Appendix C(5)(h) and (i). The units described in Section 2 are subject to the terms and conditions shown in Sections 4, 5, and 6 and to other terms and conditions as specified in this permit. Emissions from the insignificant activities shall be included in the total facility emissions for the emission-based portion of the fee calculation described in 310 CMR 4.00 and this permit.

2. EMISSION UNIT IDENTIFICATION

The following emission units (Table 1) are subject to and regulated by this operating permit:

Table 1			
Emission Unit	Description of Emission Unit	Emission Unit Design Capacity	Pollution Control Device
EU 15	Unit 3 boiler	1150 MMBtu/hr	electrostatic precipitator
EU 16	Auxiliary boiler	12,075 lb steam/hr (14.6 MMBtu/hr)	flue gas recirculation & low NOx burner
EU 17	Unit 10 jet turbine	244 MMBtu/hr	None
EU 18	Parts cleaners	Various	None
EU 19	CTG-1 combustion turbine/generator	462.6 MMBtu/hr	Water injection, SCR, & CO catalyst
EU 20	CTG-2 combustion turbine/generator	462.6 MMBtu/hr	Water injection, SCR, & CO catalyst
EU 21	Emergency Engine	8 MMBtu/hr	None

The stack parameters for the facility are as follows:

Emission Unit	Stack Height	Stack Inside Diameter
EU 15	223 feet	13.0 feet
EU 16	140 feet	18.5 inches
EU 19	179 feet	144 inches
EU 20	179 feet	144 inches

3. IDENTIFICATION OF EXEMPT ACTIVITIES

The following are considered exempt activities in accordance with the criteria contained in 310 CMR 7.00: Appendix C(5)(h):

Table 2	
Description of Current Exempt Activities	Reason
The list of current exempt activities is contained in the Operating Permit application and shall be updated by the Permittee to reflect changes at the facility over the permit term. An up-to-date copy of exempt activities list shall be kept on-site at the facility and a copy shall be submitted to the Department's Regional Office.	310 CMR 7.00:Appendix C(5)(h)

4. APPLICABLE REQUIREMENTS

A. EMISSION LIMITS AND RESTRICTIONS – The Permittee is subject to the emission limits/restrictions as contained in Table 3a-c, following:

Table 3a				
Emission Unit #	Fuel	Pollutant	Emission Limits / Restrictions ⁽¹⁾	Applicable Regulation And / or Approval #
EU 15 ⁽²⁾	#6 oil & natural gas & waste oil	particulate matter	≤ 0.12 lb/MMBtu	Regulation 310 CMR 7.02(8)(d)
		nitrogen oxides	≤ 0.25 lb/MMBtu	Regulation 310 CMR 7.19(4)(a)3.a.
		carbon monoxide	≤ 200 ppmvd @ 3% O ₂	Regulation 310 CMR 7.19(4)(f)
		sulfur dioxide	See "Special Terms and Conditions" under "Federal Acid Rain Program: Phase II Acid Rain Permit, Section 5	40 CFR Part 72 & 75
		sulfur in oil	≤ 0.55 lb S/MMBtu (≈ 1% S by weight)	Regulation 310 CMR 7.05 Regulation 310 CMR 7.22 ⁽³⁾
	waste oil	n/a	combust ≤ 12,000 gallons/cal. year waste crankcase oil combust ≤ 18,000 gallons/cal. year waste lubricating oil	Regulation 310 CMR 7.05(8) DEP Approval #PV-83-C-009 (10/19/83; amended 11/7/83 & 5/12/89)
EU 16	#2 oil & natural gas	particulate matter	≤ 0.10 lb/MMBtu	Regulation 310 CMR 7.02(8)(h)
		nitrogen oxides	≤ 246 ppmvd @ 3% O ₂ (#2 Oil) ≤ 30 ppmvd @ 3% O ₂ (Natural gas)	DEP Approval #1-B-94-058 (12/23/94)
		visible emissions	No visible emissions during normal operation	DEP Approval #1-B-94-058 (12/23/94)
		sulfur in oil	≤ 0.3% S by weight	DEP Approval #1-B-94-058 (12/23/94; amended 4/17/02) 40 CFR Part 60 Subpart Dc
EU 17	jet fuel	particulate matter	≤ 0.12 lb/MMBtu	Regulation 310 CMR 7.02(8)(d)
		nitrogen oxides	≤ 100 ppmvd @ 15% O ₂	Regulation 310 CMR 7.19(7)(a)2.b.
		carbon monoxide	≤ 100 ppmvd @ 15% O ₂	Regulation 310 CMR 7.19(7)(a)2.c. DEP Approval #1-E-94-010 (1/14/98)
		sulfur in oil	≤ 0.02% S by weight	DEP Approval #1-E-94-010 (1/14/98)

(1) Emission limits expressed as pound per million Btu (lb/MMBtu) and pounds per hour (lb/hr) are based on a one-hour average.

(2) This unit is subject to 40 CFR Part 60, 40 CFR Part 72 and 40 CFR Part 75.

(3) Compliance with 310 CMR 7.05 for the sulfur content limit shall be deemed compliance with the SO₂ limit under the Massachusetts acid rain requirement 310 CMR 7.22.

Table 3b					
Emission Unit #	Fuel / Raw Material	Pollutant	Emission Limits	Restrictions	Applicable Regulation and/or Approval #
EU 15 EU 16 EU 17	all fuels	smoke	No. 1 of the Chart no more than 6 minutes during any one hour, no time to exceed No. 2 of the Chart	n/a	Regulation 310 CMR 7.06(1)(a)
		opacity	≤20%, except 20 to ≤40% for ≤2 minutes during any one hour	n/a	Regulation 310 CMR 7.06(1)(b)
EU 15 EU 17 EU 19 EU 20	all fuels	nitrogen oxides carbon monoxide	See "Special Terms & Conditions" under "State NOx Allowance Program", Section 5	n/a	Regulation 310 CMR 7.28 DEP Approval #1-E-94-010 (1/14/98)
EU 19 EU 20	natural gas	n/a	n/a	344,174,400 ft ³ /calendar month ⁽¹⁾ 3,019,640,000 ft ³ /year ⁽²⁾⁽³⁾	DEP Approval #1-P-04-011 (7/30/2004)
	distillate oil	n/a	n/a	2,455,731gallons/calendar month ⁽¹⁾ 6,178,322 gallons/year ⁽²⁾⁽³⁾	
EU 21	natural gas	n/a	n/a	< 300 hours per year ⁽²⁾	Regulation 310 CMR 7.02(8)(i)2.
EU 18	cleaning solvent	volatile organic compounds ⁽⁴⁾	n/a	Each must use <100 gallons of solvent/calendar month	Regulation 310 CMR 7.03(8)

(1) Both units combined.

(2) Rolling 12 month total

(3) For every gallon of oil fired, the annual natural gas allowance shall be reduced by 359.4 cubic feet.

(4) Petroleum hydrocarbon (contains no halogens)

Table 3c

Table 3c											
Emission Unit #	Fuel	Pollutant	Emission Limits / Restrictions ⁽¹⁾						Restrictions tons per year ⁽²⁾ (both CTGs)	Applicable Regulation and/or Approval #	
			Natural Gas			Oil					
			ppmvd @ 15% O ₂	lb/MMBtu	lb/hr (each CTG)	ppmvd @ 15% O ₂	lb/MMBtu	lb/hr (each CTG)			
EU 19 EU 20	natural gas or distillate oil	particulate matter ⁽³⁾	n/a	0.01	4.5	n/a	0.025	11.3	14.7	DEP Approval #1-P-04-011 (7/30/2004)	
		nitrogen oxides	3.5	0.0129	5.9	6.0	0.0231	10.8	19.3	DEP Approval #1-P-04-011 (7/30/2004) 40 CFR Part 60–Subpart GG	
		carbon monoxide	5.0 ⁽⁴⁾ 10.0 ⁽⁵⁾	0.0112 ⁽⁴⁾ 0.0224 ⁽⁵⁾	4.3	5.0 ⁽⁴⁾ 10.0 ⁽⁵⁾	0.0112 ⁽⁴⁾ 0.0224 ⁽⁵⁾	4.3	27.7	DEP Approval #1-P-04-011 (7/30/2004)	
		volatile organic compounds	2.0	0.0026	1.1	12.0	0.0162	6.4	7.4	DEP Approval #1-P-04-011 (7/30/2004)	
		sulfuric acid mist	n/a	n/a	0.15	n/a	0.00043	0.2	0.3	DEP Approval #1-P-04-011 (7/30/2004)	
		ammonia	7.0	n/a	4.4	10.0	n/a	6.2	10.6 ⁽⁶⁾	DEP Approval #1-P-04-011 (7/30/2004)	
		sulfur dioxide ⁽⁷⁾	0.4	0.0021	0.9	0.7	0.0038	1.5	2.9	DEP Approval #1-P-04-011 (7/30/2004)	
		See "Special Terms and Conditions" under "Federal Acid Rain Program: Phase II Acid Rain Permit, Section 5									40 CFR Part 72 & 75
		opacity ⁽⁸⁾	≤ 5 percent			≤ 20 percent			n/a	DEP Approval #1-P-04-011 (7/30/2004)	
sulfur in fuel	ng: ≤ 0.8 grains/100ft³			oil: ≤ 0.003% by wt.			n/a	DEP Approval #1-P-04-011 (7/30/2004) 40 CFR Part 72 & 75 40 CFR Part 60–Subpart GG			

- (1) All 'ppmvd', 'lb/MMBtu', and 'lb/hr' emission limits are based on a one hour block average and are for normal operation, excluding start up, shutdown and malfunction. The emission rates for natural gas and oil firing are based on ambient temperatures of 49 °F and 54 °F respectively.
- During any period of an operating fuel transition of natural gas-to-oil or oil-to-natural gas, the limits for oil firing shall be applied. An operating fuel transition period shall not extend beyond 15 minutes in duration for any single event.
- (2) Based on a rolling 12-month total. Annual emission limit includes excess emissions due to startup, shutdown, malfunction, and for all other causes.
- (3) Particulate matter consists of both the "front half" and "back-half" catch of the Method 5 sampling train. Particulate matter is regarded as consisting solely of PM₁₀.
- (4) Based on one-hour block average at temperatures of ≥ 42° F.
- (5) Based on one-hour block average at temperatures of < 42° F.
- (6) Includes the breathing & working losses from the ammonia storage tanks.
- (7) Based on natural gas fuel sulfur content of 0.8 grain/100 scf or oil sulfur content of 30 ppm by weight

(8) Compliance with the allowable opacity limits shall be determined by use of an opacity monitor in conformance with 40 CFR Part 75.

- B. COMPLIANCE DEMONSTRATION – The Permittee is subject to the monitoring testing, record-keeping, and reporting requirements as contained in Tables 4, 5, and 6 below and 310 CMR 7.00 Appendix C(9) and (10): and applicable requirements as contained in Table 3, unless otherwise specified below.

Table 4a	
EU #	Monitoring/Testing Requirements
EU 15	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with Department Approvals #1-E-94-010, and 310 CMR 7.14(2), 310 CMR 7.19(13)(a)1., 40 CFR Part 72, and 310 CMR 7.28(11), monitor the NO_x emission rate and mass emissions using Continuous Emissions Monitoring Systems (CEMS) meeting the requirements 40 CFR Part 75, and use the procedures contained therein to gather and analyze data and provide quality assurance and quality control. Compliance with 40 CFR Part 75 shall constitute compliance with this requirement. 2) In accordance with Approval #1-E-94-010, calculate one hour averages for NO_x emissions as specified by 310 CMR 7.19(13)(b)9, and calculate the NO_x emission rate using the procedures specified in 40 CFR Part 75 Appendix F, Conversion Procedures. 3) In accordance with 40 CFR Part 72 and 310 CMR 7.14(2), monitor SO₂ emissions with CEMS meeting the requirements of 40 CFR Part 75 and use the procedures contained therein to gather and analyze data, provide quality assurance and quality control. Compliance with 40 CFR Part 75 shall constitute compliance with this requirement. 4) In accordance with Approval #1-E-94-010 and 40 CFR Part 72, measure CO₂ or O₂ in the flue gas using CEMS. The CO₂/O₂ CEMS shall meet the requirements of 40 CFR Part 75 in order to convert SO₂ and NO_x continuous emission monitoring data to units of the applicable emission standards as specified in Table 3. Compliance with 40 CFR Part 75 shall constitute compliance with this requirement. 5) In accordance with 40 CFR Part 75, use the substitution procedures for missing data specified in 40 CFR Part 75 Subpart D and/or 40 CFR Part 75 § 75.70(f) whenever the CEMS fail to measure and record a valid quality-assured hour of data for SO₂, NO_x, CO₂, exhaust flow, or heat input. 6) In accordance with 40 CFR Part 75, perform annual Relative Accuracy Test Audits (RATA), quarterly Cylinder Gas Audits (CGA), calibrations for the Continuous Opacity Monitoring System (COMS), and CEMS calibrations using the procedures specified in 40 CFR Part 75. 7) In accordance with 310 CMR 7.14(2) and 40 CFR Part 72 and 40 CFR Part 75, monitor the opacity of the flue gas using a COMS. The opacity COMS shall meet Performance Specification 1 of 40 CFR Part 60, Appendix B. 8) In accordance with 310 CMR 7.04(2)(a), ensure the COMS is equipped with audible alarms and recorders that signal the need for combustion equipment adjustment or repair when the smoke density is equal to or greater than No. 1 of the Chart.

Table 4b

EU #	Monitoring/Testing Requirements
EU 15	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> <li data-bbox="326 310 1442 436">9) In accordance with Department Approval #1-B-03-015 (6/9/03), appoint a Designated Representative. The designated Representative will be responsible for submitting required permits, compliance plans, emissions monitoring reports, offset plans, compliance certification, and will be the responsible official with regards to all matters under the Acid Rain Program. <li data-bbox="326 468 1442 531">10) In accordance with 310 CMR 7.19(13)(a)1., demonstrate compliance with NO_x emission limits / standard using CEMS. The NO_x CEMS shall meet the requirements specified in 310 CMR 7.19(13)(b). <li data-bbox="326 562 1442 657">11) In accordance with 310 CMR 7.19(13)(a)1., demonstrate compliance with CO emission limits / standards using CEMS as specified in 310 CMR 7.19(13)(b). CO emissions shall be monitored as specified in 310 CMR 7.19(13)(b)1. through 7.19(13)(b)12. <li data-bbox="326 688 1442 783">12) In accordance with 310 CMR 7.19(13)(a)1., monitor CO emissions with CEMS certified in accordance with the performance specifications contained in 40 CFR Part 60, Appendix B and use the procedures contained in 40 CFR Part 60, Appendix F to comply, provide quality assurance and quality control. <li data-bbox="326 814 1442 1098">13) In accordance with 310 CMR 7.19(13)(d)5. And 310 CMR 7.19(13)(d)6., monitor nitrogen content of each new shipment of No. 6 Fuel Oil received, by obtaining a certification from the fuel oil supplier that includes the following information: <ol style="list-style-type: none"> <li data-bbox="380 909 732 940">a. the name of the fuel oil supplier; <li data-bbox="380 940 862 972">b. the nitrogen content of each oil shipment; and <li data-bbox="380 972 1442 1098">c. the location where the sample was drawn for analysis to determine the nitrogen content of the fuel oil, specifically including whether the fuel oil was sampled as delivered to the Permittee's facility or whether the oil was sampled as delivered to the affected facility or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility or another location. <li data-bbox="326 1129 1442 1255">14) In accordance with 310 CMR 7.19(13)(d)3., measure for each unit on a daily basis: type fuel(s) burned each day, heat content of each fuel, the total heating value of the fuel consumed for each day, the actual emission rate (for emissions units demonstrating compliance with CEMS), and the allowable emission rate for CO and NO_x. <li data-bbox="326 1287 1442 1350">15) In accordance with 310 CMR 7.04(5), operate and maintain automatic viscosity controllers of a type approved by the Department to control the viscosity of No. 6 Fuel Oil to the burners. <li data-bbox="326 1381 1442 1539">16) In accordance with 310 CMR 7.04(2)(a), operate continuously and maintain in an accurate operating condition smoke density indicators equipped with audible alarms and recorders that signal the need for combustion equipment adjustment or repair when the smoke density is equal to or greater than No. 1 of the Chart. Compliance with 40 CFR Part 75 for opacity monitoring shall constitute compliance with this requirement. <li data-bbox="326 1570 1442 1728">17) In accordance with Regulation 310 CMR 7.00 Appendix C(9)(b)3., ensure that the flue gas CEM and COM equipment operates at all times the emission unit is operating, except for periods of CEM/COM calibration checks, zero span adjustment, and preventive maintenance. Notwithstanding such exceptions, in all cases obtain valid hourly-average data for at least 90% of the hours per calendar-year quarter (January- March, April-June, July-September, October-December) during which the emission unit is operating. <li data-bbox="326 1759 1442 1854">18) In accordance with 310 CMR 7.00 Appendix C, monitor any occurrences when visible emissions (opacity and/or smoke exclusive of uncombined water) and emission rates of NO_x, CO and SO₂ are in excess of the emission limits/standards contained in Table 3.

Table 4c

EU #	Monitoring/Testing Requirements
EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with Department Approvals #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), ensure that all monitors and the monitoring system conform with all applicable requirements as specified in the Code of Federal Regulations 40 CFR Part 60, Appendix B and Appendix F, 40 CFR Part 72 & Part 75, and the Massachusetts State Regulations at 310 CMR 7.19. 2) In accordance with Department Approvals #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), submit a stack test protocol (including testing for startup and shutdown emissions if required by the Department) for review and written Department approval at least 30 days prior to the date of actual testing. The test protocol must be submitted in accordance with the Department's guideline for "Stack Test Protocol Development and Submittal." 3) In accordance with Department Approvals #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), submit the final stack test report to the Department within 60 days after the completion of the tests. 4) In accordance with Department Approvals #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), test, calibrate, and operate a data acquisition system(s) (DAS) and stack CEMs to continuously monitor and record flue gas emissions of NO_x, CO, and NH₃ from each CTG. 5) In accordance with Department Approvals #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), test, calibrate, and operate a temperature measurement system to continuously monitor and record the inlet temperatures to the SCR and the CO catalysts for each CTG. 6) In accordance with DEP Approval #1-B-03-015 (6/9/03), #1-B-02-004 (2/8/02), and #1-P-04-011 (7/30/2004), at a minimum, equip each CEMs with audible and visible alarms that activate when emissions exceed the limits established in Table 3b. 7) In accordance with DEP Approval #1-B-03-015 (6/9/03), at a minimum, equip each SCR catalyst and CO catalyst temperature monitoring system with audible and visible alarms that activate when these temperatures deviate from prescribed values. 8) In accordance with DEP Approval #1-B-03-015 (6/9/03), use and maintain its CEMs system as "direct-compliance" monitors to measure NO_x, CO (and VOC), and NH₃. "Direct-compliance" monitors generate data that legally documents the compliance status of a source.

Table 4d

EU #	Monitoring/Testing Requirements
EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <p>9) In accordance with DEP Approval #1-B-03-015 (6/9/03), determine continuous compliance with the VOC emission limits contained herein by monitoring CO emissions with the CO CEM.</p> <p>If a CTG is operating at 50% load or greater, and if CO emissions are below the CO emission limit at the given CTG operating conditions, the VOC emissions shall be considered as occurring at the emission limit contained in this Conditional Approval.</p> <p>If a CTG is operating at 50% load or greater, and if CO emissions are above the CO emission limit at the given CTG operating conditions, the VOC emissions shall be considered as occurring at a rate determined by the equation: $\text{VOC}_{\text{actual}} = \text{VOC}_{\text{limit}} \times (\text{CO}_{\text{actual}} / \text{CO}_{\text{limit}})$</p> <p>10) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-004 (2/8/02), ensure that all stack monitors and recording equipment comply with Department approved performance and location specifications, and conform with the EPA monitoring specifications at 40 CFR Part 60.13 & 40 CFR Part 60 Appendices B and F, and all applicable portions of 40 CFR Parts 72 and 75.</p> <p>11) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-004 (2/8/02), operate the CEMs at all times a CTG is operating, except for periods of CEMs calibration checks, zero and span adjustments, preventive maintenance, and malfunction(s).</p> <p>12) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-004 (2/8/02), obtain and record emission data from each CEMs for at least 75% of the hours per calendar day, 75% of the days per calendar month, and 95% of the hours per calendar quarter that each emission unit operates, except for periods of calibration checks, zero and span adjustments, preventive maintenance and periods of malfunction.</p> <p>13) In accordance with DEP Approval #1-B-03-015 (6/9/03), operate a continuous monitoring system to record the fuel consumption and the ratio of water-to-fuel being fired in the combustion turbine, or pursuant to any alternative monitoring arrangements approved by the U.S. EPA. The monitoring system shall be accurate to within $\pm 5\%$.</p> <p>14) In accordance with DEP Approval #1-B-02-004 (2/8/02), and in accordance with provisions in 40 CFR Part 72 & 75, conduct fuel sampling analysis and fuel flow monitoring to determine SO₂ emissions from each stack. The emissions of CO₂ from each stack shall be calculated using EPA specified factors.</p> <p>15) In accordance with 40 CFR 60.334 (Subpart GG), ensure that the applicable monitoring requirements for the CTGs are adhered to.</p> <p>16) The modified CTGs must be operated in compliance with Regulation 310 CMR 7.06(1)(b) which limits opacity to less than or equal to 20% for a period or aggregate period of time in excess of two minutes during any one hour provided that, at no time during the said two minutes, shall opacity exceed 40%. CEEMI must install and operate continuous Opacity Monitoring Systems ("COMS") for each CTG in accordance with the performance specification contained in 40 CFR Part 75.</p>

Table 4e

EU #	Monitoring/Testing Requirements
EU 19 EU 20	<p>CEEMI – West Springfield</p> <p>17) In accordance with DEP Approval #1-P-03-032 (11/14/03), CEEMI shall test, calibrate, and operate a data acquisition system(s) (DAS) and stack CEMs to continuously monitor and record flue gas emissions of NO_x, CO, Opacity, and NH₃ from each CTG.</p> <p>18) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(11)(a)(2), a person who owns, leases, operates or controls a new budget unit which commences operation on or after January 1, 2002, must install, operate and successfully complete all applicable certification testing requirements for monitoring heat input, NO_x emission rate and NO_x mass emissions pursuant to the requirements of 40 CFR Part 75 Subpart H by the later of the following dates: May 1, 2002 or the earlier of: 180 days after the date on which the unit commences operation or 90 days after the date on which the unit commences commercial operation.</p> <p>19) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(11)(a)(8), any person who owns, leases, operates or controls a new budget unit must determine, record and report NO_x mass, heat input (if required for purposes of allocation) and any other values required to determine NO_x mass (e.g., NO_x emission rate and heat input or NO_x concentration and stack flow) using the provisions in 40 CFR 75.70(g) from the date and hour the unit commences operation until all required certification tests are successfully completed.</p>
EU 15 EU 16 EU 17 EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <p>1) In accordance with 310 CMR 7.04(4)(a), inspect and maintain each fuel burning emission unit in accordance with the manufacturer's recommendations and test each unit in accordance with the manufacturer's recommendations for efficient operation (consistent with any concurrent requirements to comply with an applicable NO_x emission limits) once each calendar year.</p>
EU 17	<p>CEEMI—West Springfield shall</p> <p>1) In accordance with 310 CMR 7.04(2)(a), not cause, suffer, allow, or permit the burning of any grade oil or solid fuel in this combustion gas turbine unless it is equipped with a smoke density sensing instrument and recorder which are properly maintained in an accurate operating condition, operates continuously and is equipped with an audible alarm to signal the need for combustion equipment adjustment or repair when the smoke density is equal to or greater than No. 1 of the Chart.</p> <p>As an alternate to the use of a smoke density sensing instrument and recorder (due to technical infeasibility on EU 17), and pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., ensure that a Method 9 visible emission test is performed at least once during the time period June 1st to August 31st of any year, and at least once during the time period December 1st to February 28th of the following year, provided EU 17 operates during said time period.</p> <p>2) Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor unit operations, as necessary, to ensure continuous compliance with particulate matter emission limits specified in Regulation 310 CMR 7.02(8)(d) and elsewhere, as applicable.</p> <p>3) In accordance with 310 CMR 7.19(13)(a)7. and DEP Approval #1-E-94-010, conduct stack testing for NO_x and CO annually before October 1 of each year as specified in 310 CMR 7.19(13)(c) and in accordance with the EPA Method 7E for NO_x and Method 10 for CO.</p> <p>4) In accordance with 310 CMR 7.19(13)(c) and DEP Approval #1-E-94-010,</p> <ol style="list-style-type: none"> submit a pretest protocol for the NO_x and CO testing for review and written Department approval at least 60 days prior to the anticipated date of testing, and include in the pretest protocol a description of the sampling point locations, sampling equipment, sampling and analytical procedures, and the operating conditions for the required testing.

Table 4f

EU #	Monitoring/Testing Requirements
EU 15 EU 17 EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(11)(a)(4), all monitoring systems are subject to initial performance testing and periodic calibration, accuracy testing and quality assurance/quality control testing as specified in 40 CFR Part 75 Subpart H. 2) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(11)(a)(5), during a period when valid data is not being recorded by a monitoring system approved under 310 CMR 7.28, the missing or invalid data must be replaced with default data in accordance with the provisions of 40 CFR 75.70(f). The applicable missing data procedures are specified in 40 CFR Part 75 for NO_x emission rate (in lb/MMBtu), heat input, stack gas volumetric flow rate, oil density, GCV or fuel flow rate.
EU 18	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.18(8)(g), upon request of the Department or EPA, perform or have performed tests to demonstrate compliance with 310 CMR 7.18(8).
Facility-Wide	<p>CEEMI—West Springfield</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.13 <u>Stack Testing</u>, conduct stack testing, upon written request of the Department, for any air contaminant for which the Department has determined testing is necessary, to ascertain compliance with the Department's regulations or design approval provisos. All such testing shall be conducted in accordance with 310 CMR 7.13 (1) and (2), and in accordance with the applicable procedures specified in 40 CFR 60 Appendix A or other method if approved by the Department and EPA. <p>In accordance with 310 CMR 7.02(8)(c), any emission testing to demonstrate compliance with the allowable particulate emission rate shall be in accordance with the EPA Methods 1-5, as specified in 40 CFR Part 60, Appendix A.</p> <p>In accordance with 310 CMR 7.19(13)(c) and DEP Approval #1-E-94-010 (1/14/98), any emission testing to determine compliance with the allowable NO_x and CO emission limits shall be in accordance with EPA Method 7E for NO_x and EPA Method 10 for CO, as specified in 40 CFR Part 60, Appendix A.</p> <p>In accordance with 310 CMR 7.00 Appendix C(9)(b), any emission testing to demonstrate compliance with the allowable emission limit for smoke/opacity shall be in accordance with EPA Method 9, as specified in 40 CFR 60, Appendix A.</p> <ol style="list-style-type: none"> 2) In accordance with 310 CMR 7.00 Appendix C(9)(b), monitor sulfur content of each new shipment of jet fuel, #2 oil, and #6 oil received. Compliance with % sulfur-in-fuel requirement can be demonstrated through testing (<u>testing certification</u>) or by maintaining a shipping receipt from the fuel supplier (<u>shipping receipt certification</u>). <p>The <u>testing certification</u> or <u>shipping receipt certification</u> of % sulfur-in-fuel shall document that sulfur testing has been done in accordance with the applicable ASTM test methods (D4294-90), or any other method approved by the Department and EPA.</p> <ol style="list-style-type: none"> 3) In accordance with 310 CMR 7.00 Appendix C(9)(b), monitor operations such that information may be compiled for the annual preparation of a Source Registration/Emission Statement Form as required by 310 CMR 7.12.

Table 5a

EU #	Recordkeeping Requirements
EU 15	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with 40 CFR Part 75, 310 CMR 7.19(13)(a)1., 310 CMR 7.19(13)(b)1. through 7.19(13)(b)12., 40 CFR Part 60, Appendix B, and 40 CFR Part 60 Appendix F, record the emissions of NO_x, CO, SO₂, CO₂ or O₂, and the flue gas opacity and volumetric flow rate on a continuous basis. 2) In accordance with 310 CMR 7.04(2)(a), 40 CFR Part 75, and/or 40 CFR Part 60, Appendix B., keep and maintain all required Smoke Density Indicator Recording Charts and/or COMS records. 3) In accordance with 310 CMR 7.19(13)(d)1. and 40 CFR Part 75, maintain records of all measurements, performance evaluations, calibration checks, maintenance, and adjustments for each CEM. 4) In accordance with 40 CFR Part 75 § 75.53, prepare and maintain a monitoring plan containing sufficient information on the CEMS and COMS to demonstrate that all emissions of SO₂, NO_x, CO₂, and opacity are monitored and reported. CEEMI-West Springfield shall update the monitoring plan whenever it makes a replacement, modification, or change in the certified CEMS and/or COMS, including a change in the automated data acquisition and handling system or in the flue gas handling system. The monitoring plan shall contain all of the information required by 40 CFR Part 75 § 75.53(c). 5) In accordance with 40 CFR Part 75 § 75.54, maintain a file of all measurements, data, reports, and other information required by 40 CFR Part 75. Said file shall include all information required by 40 CFR Part 75 § 75.54(a)(1) through (6). 6) In accordance with 310 CMR 7.00 Appendix C(9)(c)1., record operating time of each EU and the date and amount of time that any CEMS or COMS are inoperative. 7) In accordance with 310 CMR 7.19(13)(d)3., record for each unit on a daily basis the type(s) of fuel burned, heat content of each fuel, total heating value of the fuel consumed, actual emission rate (for emission units demonstrating compliance with CEMS), and allowable emission rate for CO and NO_x. 8) In accordance with 310 CMR 7.04(4)(a), maintain results of fuel utilization facility inspection, maintenance, and testing and the date upon which it was performed posted conspicuously on or near the facility. 9) In accordance with 310 CMR 7.19(13)(d)1., maintain a record of all measurements, performance evaluations, calibration checks, and maintenance or adjustments for each CEM. 10) In accordance with 310 CMR 7.19(13)(d)8., all records required by 310 CMR 7.19(13)(d), including computer retained and generated data, shall be kept in a permanently bound log book or any other form acceptable to the Department.

Table 5b

EU #	Recordkeeping Requirements
EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with Department Approval #1-B-03-015 (6/9/03), 40 CFR Part 75, 310 CMR 7.19(13)(a)1., 310 CMR 7.19(13)(b)1. through 7.19(13)(b)12., 40 CFR Part 60, Appendix B, and 40 CFR Part 60 Appendix F, record the emissions of NO_x, CO, SO₂, CO₂ or O₂, and the flue gas opacity and volumetric flow rate on a continuous basis. 2) In accordance with 310 CMR 7.04(2)(a), 40 CFR Part 75, and/or 40 CFR Part 60, Appendix B., keep and maintain all required Smoke Density Indicator Recording Charts and/or COMS records. 3) In accordance with 310 CMR 7.19(13)(d)1. and 40 CFR Part 75, maintain records of all measurements, performance evaluations, calibration checks, maintenance, and adjustments for each CEM. 4) In accordance with 40 CFR Part 75 § 75.53, prepare and maintain a monitoring plan containing sufficient information on the CEMS and COMS to demonstrate that all emissions of SO₂, NO_x, CO₂, and opacity are monitored and reported. CEEMI-West Springfield shall update the monitoring plan whenever it makes a replacement, modification, or change in the certified CEMS and/or COMS, including a change in the automated data acquisition and handling system or in the flue gas handling system. The monitoring plan shall contain all of the information required by 40 CFR Part 75 § 75.53(c). 5) In accordance with 40 CFR Part 75 § 75.54, maintain a file of all measurements, data, reports, and other information required by 40 CFR Part 75. Said file shall include all information required by 40 CFR Part 75 § 75.54(a)(1) through (6). 6) In accordance with 310 CMR 7.00 Appendix C(9)(c)1., record operating time of each EU and the date and amount of time that any CEMS or COMS are inoperative. 7) In accordance with 310 CMR 7.19(13)(d)3., record for each unit on a daily basis the type(s) of fuel burned, heat content of each fuel, total heating value of the fuel consumed, actual emission rate (for emission units demonstrating compliance with CEMS), and allowable emission rate for CO and NO_x. 8) In accordance with 310 CMR 7.19(13)(d)1., maintain a record of all measurements, performance evaluations, calibration checks, and maintenance or adjustments for each CEM. 9) In accordance with Department Approval #1-B-03-015 (6/9/03), maintain on-site permanent records of output from all continuous monitors for flue gas emission, fuel consumption, water-to-fuel ratios, SCR & CO catalyst inlet temperatures, and CTG inlet & ambient temperatures, and shall make these records available to the Department on request. 10) In accordance with Department Approval #1-B-03-015 (3/23/03), maintain a log to record problems, upsets or failures associated with the emission control system, CEMs, or ammonia handling system. 11) In accordance with Department Approval #1-B-03-015 (6/9/03), maintain for the life of the facility all operating and monitoring records and logs. CEEMI—West Springfield shall make available to the Department for inspection upon request the five most recent years' data.

Table 5c

EU #	Recordkeeping Requirements
EU 15 EU 17	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.19(13)(d)3., measure and record for each boiler on a daily basis the type fuel(s) burned, the heat content of each fuel, the total heating value of the fuel consumed, the actual emission rate (for emissions units demonstrating compliance with CEMS), and the allowable emission rate. 2) In accordance with 310 CMR 7.19(13)(d)5. & 6., for each new shipment of jet fuel and #6 fuel oil received, maintain records (<u>shipping receipt certifications</u> and/or <u>testing certifications</u>) of the nitrogen content and the methods used for the nitrogen content determination. 3) In accordance with Regulation 310 CMR 7.19(13)(d)7. & 8. and 310 CMR 7.00 Appendix C(10)(b), maintain copies of all fuel certifications or fuel oil analyses on-site for 5 years in a permanently bound log book or any other form acceptable to the Department including computer retained and generated data.
EU 16 EU 17 EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.04(4)(a), maintain results of fuel utilization facility inspection, maintenance, and testing and the date upon which it was performed posted conspicuously on or near the facility.
EU 16	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with 40 CFR 60.48c(g), record and maintain records of the amounts of fuel combusted during each day.
EU 17	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.04(2)(a), maintain records of all Method 9 opacity observations.
EU 18	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.03(6) and 7.18(8), prepare and maintain daily records sufficient to demonstrate compliance with the solvent use rates stated in 310 CMR 7.03(8).

Table 5d

EU #	Recordkeeping Requirements
EU 15 EU 17 EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(8)(e), information on the Authorized Account Representative (AAR) Form must be kept current. 2) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(12), any person who owns, leases, operates or controls a budget unit must keep all measurements, data, reports and other information required by 310 CMR 7.28 for five years, or any other period consistent with the budget unit's operating permit. 3) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(13)(a)(1), for units commencing operation prior to May 1, 2002, the AAR must submit quarterly reports for each calendar quarter beginning with: the earlier of the calendar quarter that includes the date of initial certification or, if the certification tests are not completed by May 1, 2002, the partial calendar quarter from May 1, 2002 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of certification or the first hour on May 1, 2002. 4) In accordance with DEP Approval #1-E-01-060 (2/20/2004), NO_x emissions data should be reported directly to EPA's National Computer Center mainframe computer in a method acceptable to EPA. The deadline to submit data to EPA is 30 days after the end of each calendar quarter. 5) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(13)(d), should a budget unit be permanently shut down, the Department will grant an exemption from the requirements of 310 CMR 7.28 upon request from the budget unit's AAR, and provided the shutdown is part of an approved emission control plan or approved under 310 CMR 7.00: Appendix B. The request must include an identification of the budget unit being shut down, and the date of shutdown. Department approval of the request for shutdown exemption will be sent to the AAR, and the Administrator, and may contain conditions as deemed necessary by the Department. 6) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(13)(e), by October 15 of each year, any person who owns, leases, operates or controls a new or existing budget unit must report to the Department each facility's metered net electric and useful steam output for that year's control period. Net electric output must be reported in megawatt-hours, and steam output in MMBtu. If data for steam output is not available, the person may report heat input providing useful steam output as a surrogate for steam output. 7) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(15)(a), for each control period, the AAR for the budget unit shall submit an annual compliance certification report to the Department and the Administrator. 8) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(15)(b), the compliance certification report shall be submitted no later than the allowance transfer deadline (November 30) of each year. 9) In accordance with DEP Approval #1-E-01-060 (2/20/2004), a hardcopy of the QA RATA test results must be submitted to both the DEP Lawrence and DEP Regional offices within 45 days of completion of tests. The electronic results must be submitted in the quarterly electronic data report (EDR).

Table 5e

EU #	Recordkeeping Requirements
EU 15 EU 17 EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <p>10) In accordance with DEP Approval #1-E-01-060 (2/20/2004), results from QA daily Calibrations, quarterly Linearity checks and Appendix D Fuel Flowmeter tests must be reported electronically in the EDR submittal for the quarter in which the testing occurs.</p> <p>11) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(11)(a)(6), NOx emissions data must be reported to the NOx Emissions Tracking System (NETS) in accordance with 310 CMR 7.28(13).</p> <p>12) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(11)(a)(7), budget units must report data pursuant to the requirements of 310 CMR 7.28(11) for every hour.</p>
EU 21	<p>CEEMI—West Springfield shall</p> <p>1) In accordance with 310 CMR 7.02(8)(i)3., maintain records as listed therein, including monthly logs of hours of operation, gallons fuel used, fuel type and heating value, monthly calculation of total hours operated and gallons fuel used in the previous 12 months, and purchase orders, invoices, and other documents to support information in the monthly log. The monthly log shall be made available to the Department upon request.</p>
Facility-Wide	<p>CEEMI—West Springfield shall</p> <p>1) In accordance with 310 CMR 7.00 Appendix C(10)(b), maintain records of all monitoring data and supporting information on-site for a period of at least five years from the date of the monitoring sample, measurement, report or initial operating permit application.</p> <p>2) In accordance with 310 CMR 7.12, maintain the records required to determine the nature and amounts of emissions from the facility.</p> <p>3) In accordance with 310 CMR 7.12(3)(b), retain copies of Source Registration and other information supplied to the Department to comply with 310 CMR 7.12 for five years from the date of submittal.</p> <p>4) In accordance with 310 CMR 7.00 Appendix C(9)(b)2., demonstrate compliance for each new shipment of jet fuel, #2 fuel oil, and #6 fuel oil received with the % sulfur-in-fuel requirement specified in 310 CMR 7.05 by <u>testing certification</u> or <u>shipping receipt certification</u>, either of which must certify that the shipment complies with the ASTM specifications for jet fuel/#2 oil/#6 oil, and the specified % sulfur-in-fuel requirement.</p>

Table 6a⁽¹⁾

EU #	Reporting Requirements
EU 15	<p>CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.28(13), submit quarterly reports containing all of the data and information required by 40 CFR Part 75 Subparts H and G and 40 CFR Part 75 §75.64. Said reports shall be submitted by the 30th day of April, July, October, and January covering the previous calendar periods of January through March, April through June, July through September, and October through December, respectively. The quarterly reports shall begin with the earlier calendar quarter that includes the date of initial certification or, if the certification tests are not completed by May 1, 2002, the partial calendar quarter from May 1, 2002 through June 30, 2002. Data shall be reported from the earlier of the date and hour corresponding to the date and hour of certification or the first hour on May 1, 2002. 2) In accordance with 310 CMR 7.28(13)(e), beginning in the calendar year 2003, by October 15 of each year report to the Department the facility's metered net electric output for that year's control period. Control Period means the period beginning May 1 of a calendar year and ending on September 30 of the same year, inclusive. 3) In accordance with 310 CMR 7.28(15), beginning in the calendar year 2003, by November 30 of each year, submit an annual compliance certification report to the Department and EPA for that year's control period. Said report shall contain all of the elements listed in 310 CMR 7.28(15)(c). 4) In accordance with 40 CFR Part 75 Subpart G, comply with all reporting requirements set forth, including, but not limited to: <ol style="list-style-type: none"> a. all notifications required by 40 CFR Part 75 §75.61; and b. submittal of a monitoring plan as required by 40 CFR Part 75 §75.62; and c. submittal of applications for recertification as required by 40 CFR Part 75 §75.63; and d. submittal of quarterly reports as required by 40 CFR Part 75 §75.64. Said quarterly reports shall be submitted to EPA in an approved electronic format and shall include all information required by 40 CFR Part 75 § 5.64(a)–(c). 5) In accordance with 310 CMR 7.19(13)(d)2., submit CEM Excess Emission Reports for each calendar quarter by the thirtieth (30th) day of April, July, October, and January covering the previous calendar periods of January through March, April through June, July through September, and October through December, respectively. Such reports shall contain visible emissions (opacity and/or smoke exclusive of uncombined water) and emission rates of NO_x, CO and SO₂ in excess of the emission limits/standards contained in Table 3a and Table 3b. 6) In accordance with Regulation 310 CMR 7.19(13)(d)9., submit compliance records within 10 days of written request by the Department or EPA.

(1) The annual Source Registration/Emission Statement report shall be submitted to the DEP office specified in the instructions. All other reports are to be submitted to the Western Regional Office address, as specified on the letterhead of this Operating Permit.

Table 6b⁽¹⁾

EU #	Reporting Requirements
EU 16	CEEMI–West Springfield shall 1) In accordance with § 60.48c (Subpart Dc), ensure that reports are submitted as required therein.
EU 17	CEEMI–West Springfield shall 1) In accordance with 310 CMR 7.19(13)(c), submit the emission test report for the review and written Department approval within 60 days of the completion of the annual compliance stack testing. 2) In accordance with Regulation 310 CMR 7.19(13)(d)9., submit compliance records within 10 days of written request by the Department or EPA. 3) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(13)(b), for budget units not using CEMS, all emissions and operating information in accordance with the standards specified in 40 CFR Part 75 Subpart H and 40 CFR 75.64 must only be submitted for the ozone season. 4) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(13)(c)(2), for units not subject to an Acid Rain Emissions limitation, quarterly reports are only required to include all of the data and information required in 40 CFR Part 75 Subpart H for each NOx Budget unit (or group of units using a common stack).
EU 18	CEEMI–West Springfield shall 1) In accordance with 310 CMR 7.03(5), report to the Department any construction, substantial reconstruction or alteration of a degreaser described in 310 CMR 7.03(8) on the next required Source Registration / Emission Statement, in accordance with 310 CMR 7.12.
EU 15 EU 19 EU 20	CEEMI–West Springfield shall 1) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(13)(b), the AAR for each budget unit using CEMS must submit to the Administrator all emissions and operating information for each calendar quarter of each year in accordance with the standards specified in 40 CFR Part 75 Subpart H and 40 CFR 75.64. 2) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(13)(c)(1), for units subject to an Acid Rain Emissions limitation, quarterly reports shall include all of the data and information required in 40 CFR Part 75 Subpart H for each NOx Budget unit (or group of units using a common stack) as well as information required in 40 CFR Part 75 Subpart G.
EU 19 EU 20	CEEMI–West Springfield shall 1) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-004 (2/8/02), submit to the Department, in a format acceptable to the Department, a quarterly report no later than 30 days beyond the end of the most recent calendar quarter, which minimally contains the following information. a. Reports from the facility CEMs containing summary emission data, and b. For each period of excess emissions or excursions from allowable operating conditions, CEEMI–West Springfield shall list the duration, cause (including whether it is attributable to a malfunction or emergency), the response taken, and the amount of excess emissions. Periods of excess emissions shall include periods of startups/shutdowns, malfunction, emergency, and upsets or failures associated with the emission control system or CEMs. c. A tabulation of periods of operation (dispatch). 2) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-004 (2/8/02), ensure that all periods of excess emissions, even if attributable to an emergency/malfunction or startup/shutdown, are quantified and included in the determination of annual emissions and compliance with the annual emission limits as stated herein. Any period of excess emission of CO shall count as a period of excess emission of VOC also.

(1) *The annual Source Registration/Emission Statement report shall be submitted to the DEP office specified in the instructions. All other reports are to be submitted to the Western Regional Office address, as specified on the*

letterhead of this Operating Permit.

Table 6c ⁽¹⁾	
EU #	Reporting Requirements
EU 21	CEEMI—West Springfield shall 1) In accordance with 310 CMR 7.02(8)(i)5., notify the Department of the engine's coverage under 310 CMR 7.00 concurrent with the required submittal of the facility's emission statement pursuant to 310 CMR 7.12.
Facility-Wide	CEEMI—West Springfield shall 1) In accordance with 310 CMR 7.12(2), submit a Source Registration/Emission Statement form to the Department on an annual basis. 2) In accordance with 310 CMR 7.00 Appendix C(10)(c), submit to the Department two compliance summaries, one by January 30 for the time period July – December of the previous calendar year, and the other by July 30 for the time period January – June of the current calendar year. (See Provision 10 in “GENERAL CONDITIONS FOR OPERATING PERMIT”) 3) In accordance with 310 CMR 7.13(1)(d), submit to the Department any stack test results for any air contaminant obtained from stack testing required by the Department within such time as agreed to in the approved test protocol. 4) In accordance with 310 CMR 7.00 Appendix C(5)(b)9., submit annually a certification that the facility is maintaining the required records to assure the facility is in compliance with the applicable requirements designated in this permit. (See Provision 10 in “GENERAL CONDITIONS FOR OPERATING PERMIT”) 5) In accordance with 310 CMR 7.00 Appendix C(10)(a), submit to the Department any record relevant to this operating permit or to the emissions of any air contaminant from the facility within 30 days of the request by the Department or EPA. 6) In accordance with 310 CMR 7.00 Appendix C(10)(f), the Permittee shall report to the Department's Regional Bureau of Waste Prevention all instances of deviations from permit requirements. (See Provision 25 in “GENERAL CONDITIONS FOR OPERATING PERMIT”)

(1) *The annual Source Registration/Emission Statement report shall be submitted to the DEP office specified in the instructions. All other reports are to be submitted to the Western Regional Office address, as specified on the letterhead of this Operating Permit.*

C. GENERAL APPLICABLE REQUIREMENTS—The Permittee shall comply with all generally applicable requirements contained in 310 CMR 7.00 et. seq. and 310 CMR 8.00 et. seq., when subject.

D. REQUIREMENTS NOT CURRENTLY APPLICABLE—The Permittee is currently not subject to the following requirements:

Table 7	
Regulation	Reason
42 U. S. C. 7401 § 112: Hazardous Air Pollutants	Facility does not have potential to emit HAP above thresholds
Clean Air Act Section 112(r): Prevention of Accidental Releases	Facility does not store, use or process any of the listed compounds in quantities greater than thresholds.
40 CFR 63 Subpart T: National Emission Standards for Halogenated Solvent Cleaning	Facility does not operate a degreaser subject to this regulation.

310 CMR 7.16: Reduction of Single Occupant Commuter Vehicle Use	Facility employs fewer than 250 people
310 CMR 7.27	Superceded by 310 CMR 7.28

5. SPECIAL TERMS AND CONDITIONS

The Permittee is subject to the following special provisions that are not contained in Tables 3, 4, 5, and 6:

Table 8a	
EU #	Special Terms and Conditions
EU 15	<p>Waste Oil Burning — CEEMI—West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with DEP Approval #PV-83-C-009 (10/19/83; amended 11/7/83 & 5/12/89), burn waste oil generated only at Massachusetts's facilities. 2) In accordance with DEP Approval #PV-83-C-009 (10/19/83; amended 11/7/83 & 5/12/89), burn waste oil only in Unit #3 (EU 15). 3) In accordance with DEP Approval #PV-83-C-009 (10/19/83; amended 11/7/83 & 5/12/89), ensure that the concentration of waste oil in the #6 oil being burned will not exceed 10% by volume. 4) In accordance with DEP Approval #PV-83-C-009 (10/19/83; amended 11/7/83 & 5/12/89) and Regulation 310 CMR 7.05(8), ensure that all waste oil combusted meets the standards for used oil fuel tabulated therein. 5) In accordance with DEP Approval #PV-83-C-009 (10/19/83; amended 11/7/83 & 5/12/89), combust waste oil only after the boiler is at normal firing rate and temperature. 6) In accordance with DEP Approval #PV-83-C-009 (10/19/83; amended 11/7/83 & 5/12/89), at least once a year (at the Department's discretion), analyze at a qualified independent laboratory, a composite sample of the waste oil in the holding tank. 7) In accordance with DEP Approval #PV-83-C-009 (10/19/83; amended 11/7/83 & 5/12/89), report to the DEP every 6 months the quantity and source of waste oil burned.
EU 15	<p>Federal Acid Rain Program; Phase II Acid Rain Permit</p> <ol style="list-style-type: none"> 8) Emission Unit 15 is a Phase II Acid Rain units as defined by the EPA in 40 CFR Part 72. Pursuant to 40 CFR §72.71, 40 CFR §72.73, and 310 CMR Appendix C (3)(n), the Department is the permitting authority for Phase II acid rain permits. The Department issued the FINAL Phase II acid rain permit for EU 15 on January 27, 2003 and is incorporating the FINAL Phase II Acid Rain approval into the operating permit. 9) Within 60 days of the end of each calendar year CEEMI – West Springfield shall hold in its SO₂ allowance account at least one allowance for each ton of SO₂ emitted during the previous year. An allowance is a limited authorization to emit SO₂ in accordance with the Acid Rain Program. 10) If the facility has excess emissions in any calendar year, it shall submit a proposed offset plan as required under 40 CFR Part 77. In addition, CEEMI – West Springfield shall pay any penalties specified in 40 CFR Part 77 and comply with the terms of an approved offset plan. 11) In accordance with 40 CFR Part 73, CEEMI – West Springfield's designated representative may buy, sell, trade, or transfer allowances between EU accounts at any time, except between within 60 days of the end of the calendar year and the completion of the annual SO₂ allowance reconciliation for the preceding year(s). 12) Pursuant to 40 CFR Part 73 Table 2 (as amended), EPA will annually allocate the following SO₂ allowances for EU 15:

		Year	2003	2004	2005	2006	2007
		Allowances	3012	3012	3012	3012	3012

Table 8b	
EU #	Special Terms and Conditions
EU 16	CEEMI—West Springfield shall 1) In accordance with Regulation 310 CMR 7.02(8)(f), continue to be subject to 40 CFR 60 Subpart Dc and operate in compliance with such standard(s).
EU 18	CEEMI—West Springfield shall 1) In accordance with 310 CMR 7.18(8)(a), ensure that the degreaser complies with the criteria specified therein. 2) In accordance with 310 CMR 7.18(1)(c), store and dispose of volatile organic compounds in a manner which will minimize evaporation to the atmosphere.

EU 19 EU 20	<p>Federal Acid Rain Program; Phase II Acid Rain Permit</p> <p>1) Emission Units 19 and 20 are Phase II Acid Rain units as defined by the EPA in 40 CFR Part 72. Pursuant to 40 CFR §72.71, 40 CFR §72.73, and 310 CMR Appendix C (3)(n), the Department is the permitting authority for Phase II acid rain permits. The Department issued the FINAL Phase II acid rain permit for EU 19 and EU 20 on May 20, 2002 and is incorporating the FINAL Phase II Acid Rain approval into the operating permit.</p> <p>2) Within 60 days of the end of each calendar year CEEMI – West Springfield shall hold in its SO₂ allowance account at least one allowance for each ton of SO₂ emitted during the previous year. An allowance is a limited authorization to emit SO₂ in accordance with the Acid Rain Program.</p> <p>3) If the facility has excess emissions in any calendar year, it shall submit a proposed offset plan as required under 40 CFR Part 77. In addition, CEEMI – West Springfield shall pay any penalties specified in 40 CFR Part 77 and comply with the terms of an approved offset plan.</p> <p>4) In accordance with 40 CFR Part 73, CEEMI – West Springfield's designated representative may buy, sell, trade, or transfer allowances between EU accounts at any time, except between within 60 days of the end of the calendar year and the completion of the annual SO₂ allowance reconciliation for the preceding year(s).</p> <p>5) Pursuant to 40 CFR Part 73 Table 2 (as amended), EPA will annually allocate the following SO₂ allowances for each affected unit:</p> <table><tr><th colspan="2">Emission Unit</th><th>8/30/02 to 8/29/03</th><th>8/30/03 to 8/29/04</th><th>8/30/04 to 8/29/05</th><th>8/30/05 to 8/29/06</th><th>8/30/06 to 8/29/07</th></tr><tr><td>EU 19</td><td>SO₂ allowances</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>EU 20</td><td>SO₂ allowances</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr></table>	Emission Unit		8/30/02 to 8/29/03	8/30/03 to 8/29/04	8/30/04 to 8/29/05	8/30/05 to 8/29/06	8/30/06 to 8/29/07	EU 19	SO ₂ allowances	0	0	0	0	0	EU 20	SO ₂ allowances	0	0	0	0	0
Emission Unit		8/30/02 to 8/29/03	8/30/03 to 8/29/04	8/30/04 to 8/29/05	8/30/05 to 8/29/06	8/30/06 to 8/29/07																
EU 19	SO ₂ allowances	0	0	0	0	0																
EU 20	SO ₂ allowances	0	0	0	0	0																
EU 19 EU 20	<p>CEEMI–West Springfield shall</p> <p>6) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), not burn Ultra Low Sulfur oil during the time period May 1 through September 30 inclusive of any calendar year, except during initial compliance testing, initial plant demonstration and performance testing, periodic readiness testing, in the event of the unavailability of natural gas, or in the case of a variance obtained from the Department to operate during an emergency.</p> <p>7) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), store the standard operating and maintenance procedures for the ammonia handling system in a convenient location (control room/technical library) and make them readily available to all employees.</p> <p>8) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), ensure that the ammonia storage tank employs a water trap or similar device (as described in the plan application materials) so the ammonia emissions during storage, filling, and transfer are insignificantly small compared to stack ammonia emissions.</p>																					

Table 8c	
EU #	Special Terms and Conditions
EU 19 EU 20	<p>CEEMI–West Springfield shall</p> <ol style="list-style-type: none"> 9) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), maintain in the facility control room portable ammonia detectors (e.g. draeger tubes or other monitoring instrument) for use during an ammonia spill or atypical atmospheric release. 10) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), train all personnel to operate the facility monitoring and control equipment in accordance with vendor specifications and all applicable regulations. This training shall be updated at least once annually.

	<p>Department personnel shall be informed of scheduled training sessions at least 30 days in advance and Department personnel shall be allowed access to attend these training sessions.</p> <p>11) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), maintain on-site for the CEMs equipment an adequate supply of spare parts to maintain the on-line availability and data capture requirements of provision 9 in Table 4b, EU 19 & EU 20 provision no. 15.</p> <p>12) In accordance with DEP Approval #1-B-03-015 (6/9/03) and #1-B-02-003/004 (2/8/02), comply with all applicable monitoring, testing, reporting, and record-keeping requirements, and all applicable operational standards contained in 40 CFR Parts 72 and 75 (Acid Rain Program).</p> <p>13) In accordance with DEP Approval #1-B-02-004 (2/8/02), post conspicuous signs at the ammonia unloading rack specifying that the vapor recovery system must be used by all trucks unloading product.</p> <p>14) In accordance with DEP Approval #1-B-02-004 (2/8/02), not allow any trucks to unload product at the ammonia loading rack unless the truck is equipped with a vapor recovery system.</p> <p>15) In accordance with DEP Approval #1-B-02-004 (2/8/02), incorporate a “surface reduction device”, with freeze protection, in the bermed area of the ammonia storage tank to minimize any evaporation of ammonia in the event of an accidental release.</p> <p>16) In accordance with DEP Approval #1-B-02-003 (2/8/02), ensure there are four test ports (of suitable diameter for use with an EPA Method 5 sample probe) at 90° angles and minimally four feet above the stack test/CEM platform grate. The Method 5 test ports shall be located to conform to the requirements contained in 40 CFR 60 Appendix A, Method 1. The grate platform shall extend 360° around the stack circumference.</p> <p>17) In accordance with DEP Approval #1-B-02-003 (2/8/02), ensure there are four monorail systems for use at each of the EPA test ports specified above. The monorails shall provide for safe and facile handling of an EPA Method 5 sampling train.</p> <p>18) In accordance with DEP Approval #1-B-02-003 (2/8/02), ensure that, minimally, two 120 volt ac power plugs are available at/on the sampling platform(s) for access by test team member, of sufficient amperage to support operation of an EPA Method 5 sampling train and auxiliaries, as required by a test team.</p> <p>19) [STATE ONLY] In accordance with DEP Approval #1-B-00-038 (1/19/2001), ensure that the facility (new and existing units) shall be operated and maintained such that at all times:</p> <ol style="list-style-type: none"> No condition of air pollution will be caused by emissions of sound as provided in 310 CMR 7.01; and No sound emissions resulting in noise will occur as provided in 310 CMR 7.10 and the Department's Policy 90-001 other than approved herein. <p>20) [STATE ONLY] In accordance with DEP Approval #1-B-00-038 (1/19/2001), accept the Department's right to require additional measurement periods, locations, or events if in the opinion of the Department such additional measurements are necessary to determine compliance with the Air Pollution Control Regulations.</p>
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Table 8d

EU #	Special Terms and Conditions
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EU 15 EU 17 EU 19 EU 20	<p>CEEMI–West Springfield shall</p> <ol style="list-style-type: none"> 1) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(14)(a), the data reported to the Administrator by the Authorized Account Representative (AAR) for a budget unit in accordance with 310 CMR 7.28(13), and the allowance allocations and transfers recorded in the NATS compliance or overdraft account for that budget unit, are the basis for determining compliance with 310 CMR 7.28. 2) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(14)(b), each year by November 30, the AAR for each budget unit may request that the Administrator deduct current year allowances from the compliance or overdraft account equivalent to the NOx emissions from the budget unit in the current control period. The request must be submitted by the AAR to the Administrator no later than the allowance transfer deadline (November 30). The request must identify the compliance or overdraft account from which the deductions should be made, and if desired, the serial numbers of the allowances to be deducted. If no serial numbers are identified, the Administrator will deduct allowances in the following order: current year allowances allocated to the account; current year allowances transferred to the account; banked allowances allocated to the account; and, banked allowances transferred to the account. Banked allowances may be used in place of current year allowances subject to the conditions in 310 CMR 7.28(9). 3) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(14)(c), the Administrator will determine whether there are sufficient allowances in the compliance or overdraft account to cover the control period NOx emissions. Regardless of the AAR's request to the Administrator to deduct allowances pursuant to 310 CMR 7.28(14)(b), the Administrator will deduct a number of allowances equal to the current control period's NOx emissions, rounded to the nearest whole ton, from the budget unit's compliance or overdraft account. 4) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(14)(d), should the emissions of the budget unit in the current control period exceed the allowances in the budget unit's compliance or overdraft account available for compliance for the control period, the AAR is responsible for obtaining additional allowances by the allowance transfer deadline. The total number of allowances in the compliance or overdraft account, including allowance transfers submitted to the Administrator in accordance with 310 CMR 7.28(10) by the allowance transfer deadline, must equal or exceed the control period emissions of NOx rounded to the nearest whole ton. 5) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(14)(e), if the total number of allowances in the budget unit's compliance or overdraft account available for compliance, including allowance transfers submitted to the Administrator by the allowance transfer deadline in accordance with 310 CMR 7.28(10), does not equal or exceed the control period emissions of NOx from that budget unit, the Department will apply deduction penalties according to 310 CMR 7.28(16), and may take any additional enforcement action it deems appropriate.
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Table 8e

EU #	Special Terms and Conditions
EU 15 EU 17 EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <p>6) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(15)(c), the compliance certification shall contain the following elements, in a format prescribed by the Administrator:</p> <ul style="list-style-type: none"> a. Identification of the budget unit, including name, unit address, name of AAR and NATS account number. b. At the AAR's option, the serial numbers of the NOx allowances that are to be deducted from each unit's compliance account for the control period, and the percent of allowances to be deducted for each unit on a common stack. c. A statement that emissions data have been submitted to the Administrator in accordance with the procedures established in 310 CMR 7.28(13) and in conformance with the requirements of the Administrator. d. A statement that the budget unit holds sufficient current year or banked allowances available under 40 CFR 96.54 in its compliance or overdraft account for the control period, as of the allowance transfer deadline, to equal or exceed the recorded emissions for the control period. e. A statement certifying that the monitoring data reflected operations at the budget unit. f. A statement that all emissions from the budget unit were accounted for, either through the applicable monitoring or through application of the appropriate missing data procedures and reported in the quarterly reports. If provisionally certified data were reported, the NOx AAR must indicate whether the status of all provisionally certified data was resolved and all necessary quarterly reports were submitted. g. A statement indicating whether there was any changes in the method of operation of the budget unit or the method of monitoring the budget unit during the current year. If a change must be reported, then specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor re-certification. h. A certification statement stating (verbatim): "I am authorized to make this submission on behalf of the owners, lessees, operators and controllers of the NOx Budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment." <p>7) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(15)(d), the Department may verify compliance by whatever means necessary, including but not limited to:</p> <ul style="list-style-type: none"> a. Inspection of a unit's operating records; b. Obtaining information on allowance deduction and transfers from the NATS; c. Obtaining information on emissions from the NETS; d. Testing emission monitoring devices; and, e. Requiring the person who owns, leases, operates or controls a budget unit to conduct emissions testing under the supervision of the Department. <p>8) In accordance with DEP Approval #1-E-01-060 (2/20/2004), existing units that have completed the certification test requirements under 310 CMR 7.28 must meet all ongoing Quality Assurance testing requirements specified in 40 CFR Part 75.</p>

Table 8f

EU #	Special Terms and Conditions
EU 15 EU 17 EU 19 EU 20	<p>CEEMI—West Springfield shall</p> <p>9) In accordance with DEP Approval #1-E-01-060 (2/20/2004), notification of QA testing is required for Relative Accuracy Test Audits (RATAs). Notification must be made at least 21 days prior to the scheduled test date to the EPA as required by 40 CFR 75.61, to the DEP Lawrence office at DEP, Wall Experiment Station, 37 Shattuck Street, Lawrence, MA 01843-1398 Attn: Source Monitoring Section, and to the DEP Regional office, Attn: BWP Permit Chief. If tests must be rescheduled, 24 hours notice must be given, as specified in 40 CFR 75.61(a)(5).</p> <p>10) In accordance with DEP Approval #1-E-01-060 (2/20/2004), a previously approved protocol may be referenced at the time of test notification provided that the referenced protocol was completed in accordance with current 40 CFR Part 75 procedures, addresses all previous DEP protocol comments to the satisfaction of the DEP, and none of the information has changed. If a revised protocol must be submitted, it must be submitted at least 21 days prior to the scheduled test date.</p> <p>11) In accordance with DEP Approval #1-E-01-060 (2/20/2004) and 310 CMR 7.28(11)(b), any person who owns, leases, operates or controls a budget unit subject to 310 CMR 7.28 must comply with the notification requirements in 40 CFR 75.61, where applicable.</p>
Facility Wide	<p><u>Stratospheric Ozone</u></p> <p>1) The Permittee is subject to, and has stated in their operating permit application that they are in compliance with the requirements of 40 CFR 82: Protection of Stratospheric Ozone. These requirements are applicable to this facility and the United States Environmental Protection Agency enforces these requirements.</p>

6. ALTERNATIVE OPERATING SCENARIOS

none

7. EMISSIONS TRADING

A. Intra-facility emission trading

The Permittee is currently authorized to engage in emissions trading under the following federal and state regulatory programs:

- 40 CFR 72, 73, and 74 - SO₂ Allowance System;
- 310 CMR 7.28 - NO_x Allowance Program;
- 310 CMR 7.00, Appendix A - Emission Offsets; and
- 310 CMR 7.00, Appendix B - Emission Reduction Credits

Pursuant to 310 CMR 7.00: Appendix C(7)(b), emission trades, provided for in this permit, may be implemented provided the Permittee notifies The United States Environmental Protection Agency (EPA) and the Department at least fifteen (15) days in advance of the proposed changes and the Permittee provides the information required in 310 CMR 7.00: Appendix C(7)(b)3.

Any intra-facility change that does not qualify pursuant to 310 CMR 7.00: Appendix C(7)(b)2. is required to be submitted to the Department pursuant to 310 CMR 7.00: Appendix B.

B. Inter-facility emission trading

The Permittee is currently authorized to engage in emissions trading under the following federal and state regulatory programs:

- 40 CFR 72, 73, and 74 - SO₂ Allowance System;
- 310 CMR 7.28 - NO_x Allowance Program;
- 310 CMR 7.00, Appendix A – Emission Offsets
- 310 CMR 7.00, Appendix B – Emission Reduction Credits

All increases in emissions due to emission trading, must be authorized under the applicable requirements of 310 CMR 7.00: Appendix B (the "Emissions Trading Program") and the 42 U.S.C. §7401 et seq. (the "Act"), and provided for in this permit.

8. COMPLIANCE SCHEDULE

The Permittee has indicated that the facility is in compliance and shall remain in compliance with the applicable requirements contained in Sections 4 and 5.

In addition, the Permittee shall comply with any applicable requirements that become effective during the permit term.

GENERAL CONDITIONS FOR OPERATING PERMIT

9. FEES

The Permittee has paid the permit application processing fee and shall pay the annual compliance fee in accordance with the fee schedule pursuant to 310 CMR 4.00.

10. COMPLIANCE CERTIFICATION

All documents submitted to the Department shall contain certification by the responsible official of truth, accuracy, and completeness. Such certification shall be in compliance with 310 CMR 7.01(2) and contain the following language:

“I certify that I have personally examined the foregoing and am familiar with the information contained in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment.”

The “Operating Permit Reporting Kit” contains instructions and the Annual Compliance Report and Certification and the Semi-Annual Monitoring Summary Report and Certification. The “Operating Permit Reporting Kit” is available to the Permittee via the Department’s web site, <http://www.state.ma.us/dep/bwp/daqc/aqforms.htm>.

(a) Annual Compliance Report and Certification

The Responsible Official shall certify, annually for the calendar year, that the facility is in compliance with the requirements of this permit. The report shall be postmarked or delivered by the 30th day following December 31 to the Department and to the Regional Administrator, U.S. Environmental Protection Agency - New England Region. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status and whether compliance was continuous or intermittent during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
- iv. any additional information required by the Department to determine the compliance status of the source.

(b) Semi-Annual Monitoring Summary Report and Certification

The Responsible Official shall certify, semi-annually on the calendar year, that the facility is in compliance with the requirements of this permit. The report shall be postmarked or delivered by the 30th day following December 31 and June 30 to

the Department. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods;
- iv. whether there were any deviations during the reporting period;
- v. if there are any outstanding deviations at the time of reporting, and the Corrective Action Plan to remedy said deviation;
- vi. whether deviations in the reporting period were previously reported;
- vii. if there are any outstanding deviations at the time of reporting, the proposed date of return to compliance;
- viii. if the deviations in the reporting period have returned to compliance and date of such return to compliance; and
- ix. any additional information required by the Department to determine the compliance status of the source.

11. NONCOMPLIANCE

Any noncompliance with a permit condition constitutes a violation of 310 CMR 7.00: Appendix C and the Clean Air Act, and is grounds for enforcement action, for permit termination or revocation, or for denial of an operating permit renewal application by the Department and/or EPA. Noncompliance may also be grounds for assessment of administrative or civil penalties under M.G.L. c.21A, §16 and 310 CMR 5.00; and civil penalties under M.G.L. c.111, §142A and 142B. This permit does not relieve the Permittee from the obligation to comply with any other provisions of 310 CMR 7.00 or the Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable federal, state, or local rules and regulations, not addressed in this permit.

12. PERMIT SHIELD

- A. This facility has a permit shield provided that it operates in compliance with the terms and conditions of this permit. Compliance with the terms and conditions of this permit shall be deemed compliance with all applicable requirements specifically identified in Sections 4, 5, 6, and 7, for the emission units as described in the Permittee's application and as identified in this permit.

Where there is a conflict between the terms and conditions of this permit and any earlier approval or permit, the terms and conditions of this permit control.

- B. The Department has determined that the Permittee is not currently subject to the requirements listed in Section 4, Part D.

- C. Nothing in this permit shall alter or affect the following:
- (i) the liability of the source for any violation of applicable requirements prior to or at the time of permit issuance.
 - (ii) the applicable requirements of the Acid Rain Program, consistent with 42 U.S.C. §7401, §408(a); or
 - (iii) the ability of EPA to obtain information under 42 U.S.C. §7401, §114 or §303 of the Act.

13. ENFORCEMENT

The following regulations found at 310 CMR 7.02(8)(h) Table 6 for wood fuel, 7.02(8)(i), 7.04(9), 7.05(8), 7.09 (odor), 7.10 (noise), 7.18(1)(b), 7.21, 7.22 and any condition(s) designated as "state only" are not federally enforceable because they are not required under the Act or under any of its applicable requirements. These regulations and conditions are not enforceable by the EPA. Citizens may seek equitable or declaratory relief to enforce these regulations and conditions pursuant to Massachusetts General Law Chapter 214, Section 7A

All other terms and conditions contained in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the Department, EPA and citizens as defined under the Act.

A Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

14. PERMIT TERM

This permit shall expire on the date specified on the cover page of this permit, which shall not be later than the date 5 years after issuance of this permit.

Permit expiration terminates the Permittee's right to operate the facility's emission units, control equipment or associated equipment covered by this permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.

15. PERMIT RENEWAL

Upon the Department's receipt of a complete and timely application for renewal, this facility may continue to operate subject to final action by the Department on the renewal application.

In the event the Department has not taken final action on the operating permit renewal application prior to this permit's expiration date, this permit shall remain in effect until the Department takes final action on the renewal application, provided that a timely and complete renewal application has been submitted in accordance with 310 CMR 7.00: Appendix C(13).

16. REOPENING FOR CAUSE

This permit may be modified, revoked, reopened, and reissued, or terminated for cause by the Department and/or EPA. The responsible official of the facility may request that the Department terminate the facility's operating permit for cause. The Department will reopen and amend this permit in accordance with the conditions and procedures under 310 CMR 7.00: Appendix C(14).

The filing of a request by the Permittee for an operating permit revision, revocation and reissuance, or termination, or a notification of a planned change or anticipated noncompliance does not stay any operating permit condition.

17. DUTY TO PROVIDE INFORMATION

Upon the Department's written request, the Permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the Permittee shall furnish to the Department copies of records that the Permittee is required to retain by this permit.

18. DUTY TO SUPPLEMENT

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. The Permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after the date a complete renewal application was submitted but prior to release of a draft permit. The Permittee shall promptly, on discovery, report to the Department a material error or omission in any records, reports, plans, or other documents previously provided to the Department.

19. TRANSFER OF OWNERSHIP OR OPERATION

This permit is not transferable by the Permittee unless done in accordance with 310 CMR 7.00: Appendix C(8)(a). A change in ownership or operation control is considered an administrative permit amendment if no other change in the permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between current and new Permittee, has been submitted to the Department.

20. PROPERTY RIGHTS

This permit does not convey any property rights of any sort, or any exclusive privilege.

21. INSPECTION AND ENTRY

Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Department, and EPA to perform the following, as per 310 CMR 7.00 Appendix C(3)(g)(12):

- A. enter upon the Permittee's premises where an operating permit source activity is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
- B. have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- C. inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- D. sample or monitor at reasonable times any substances or parameters for the purpose of assuring compliance with the operating permit or applicable requirements.

22. PERMIT AVAILABILITY

The Permittee shall have available at the facility, at all times, a copy of the materials listed under 310 CMR 7.00: Appendix C(10)(e) and shall provide a copy of the permit, including any amendments or attachments thereto, upon request by the Department or EPA.

23. SEVERABILITY CLAUSE

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

24. EMERGENCY CONDITIONS

The Permittee shall be shielded from enforcement action brought for noncompliance with technology based¹ emission limitations specified in this permit as a result of an emergency². In order to use emergency as an affirmative defense to an action brought for noncompliance, the Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

- A. an emergency occurred and that the Permittee can identify the cause(s) of the emergency;

¹ Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

² An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.

- B. the permitted facility was at the time being properly operated;
- C. during the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and
- D. the Permittee submitted notice of the emergency to the Department within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

If an emergency episode requires immediate notification to the Bureau of Waste Site Cleanup/Emergency Response, immediate notification to the appropriate parties should be made as required by law.

25. PERMIT DEVIATION

Deviations are instances where any permit condition is violated and not reported as an emergency pursuant to section 24 of this permit. Reporting a permit deviation is not an affirmative defense for action brought for noncompliance. Any reporting requirements listed in Table 6. of this Operating Permit shall supercede the following deviation reporting requirements, if applicable.

The Permittee shall report to the Department's Regional Bureau of Waste Prevention the following deviations from permit requirements, by telephone or fax, within three (3) days of discovery of such deviation:

- Unpermitted pollutant releases, excess emissions or opacity exceedances measured directly by CEMS/COMS, by EPA reference methods or by other credible evidence.
- Exceedances of parameter limits established by your Operating Permit or other approvals.
- Exceedances of permit operational limitations directly correlated to excess emissions.
- Failure to capture valid emissions or opacity monitoring data or to maintain monitoring equipment as required by statutes, regulations, your Operating Permit, or other approvals.
- Failure to perform QA/QC measures as required by your Operating Permit or other approvals for instruments that directly monitor compliance.

For all other deviations, three (3) day notification is waived and is satisfied by the documentation required in the subsequent Semi-Annual Monitoring Summary and Certification. Instructions and forms for reporting deviations are found in the Massachusetts Department of Environmental Protection Bureau of Waste Prevention Air Operating Permit Reporting Kit, which is available to the Permittee via the Department's web site, <http://www.state.ma.us/dep/bwp/daqc/aqforms.htm>. This report shall include the deviation, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and the corrective actions or preventative measures taken.

Deviations that were reported by telephone or fax within 3 days of discovery, said

deviations shall also be submitted in writing to the Regional Bureau of Waste Prevention within ten (10) days of discovery. For deviations which do not require 3 day verbal notification, follow-up reporting requirements are satisfied by the documentation required in the aforementioned Semi-Annual Monitoring Summary.

26. OPERATIONAL FLEXIBILITY

The Permittee is allowed to make changes at the facility consistent with 42 U.S.C. §7401, §502(b)(10) not specifically prohibited by the permit and in compliance with all applicable requirements provided the Permittee gives the EPA and the Department written notice fifteen days prior to said change; notification is not required for exempt activities listed at 310 CMR 7.00: Appendix C(5)(i). The notice shall comply with the requirements stated at 310 CMR 7.00: Appendix C(7)(a) and will be appended to the facility's permit. The permit shield allowed for at 310 CMR 7.00: Appendix C(12) shall not apply to these changes.

27. MODIFICATIONS

- A. Administrative Amendments — The Permittee may make changes at the facility which are considered administrative amendments pursuant to 310 CMR 7.00: Appendix C(8)(a)1., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(b).
- B. Minor Modifications — The Permittee may make changes at the facility which are considered minor modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)2., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(d).
- C. Significant Modifications — The Permittee may make changes at the facility which are considered significant modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)3., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(c).
- D. No permit revision shall be required, under any approved economic incentives program, marketable permits program, emission trading program and other similar programs or processes, for changes that are provided in this operating permit. A revision to the permit is not required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program under Title IV of the Act, provided that such increases do not require an operating permit revision under any other applicable requirement.

APPEAL CONDITIONS FOR OPERATING PERMIT

This permit is an action of the Department. If you are aggrieved by this action, you may request an adjudicatory hearing within 21 days of issuance of this permit. In addition, any person who participates in any public participation process required by the Federal Clean Air Act, 42 U.S.C. §7401, §502(b)(6) or under 310 CMR 7.00: Appendix C(6), with respect to the Department's final action on operating permits governing air emissions, and who has standing to sue with respect to the matter pursuant to federal constitutional law, may initiate an adjudicatory hearing pursuant to Chapter 30A, and may obtain judicial review, pursuant to Chapter 30A, of a final decision therein.

If an adjudicatory hearing is requested, the facility must continue to comply with all existing federal and state applicable requirements to which the facility is currently subject, until a final decision is issued in the case or the appeal is withdrawn. During this period, the application shield shall remain in effect, and the facility shall not be in violation of the Act for operating without a permit.

Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts which are the grounds for the request, and the relief sought. Additionally, the request must state why the permit is not consistent with applicable laws and regulations.

The hearing request along with a valid check payable to The Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00) must be mailed to:

The Commonwealth of Massachusetts
Department of Environmental Protection
P. O. Box 4062
Boston, MA 02211

The request will be dismissed if the filing fee is not paid unless the appellant is exempt or granted a waiver as described below.

The filing fee is not required if the appellant is a city or town (or municipal agency) county, or district of the Commonwealth of Massachusetts, or a municipal housing authority.

The Department may waive the adjudicatory hearing filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.